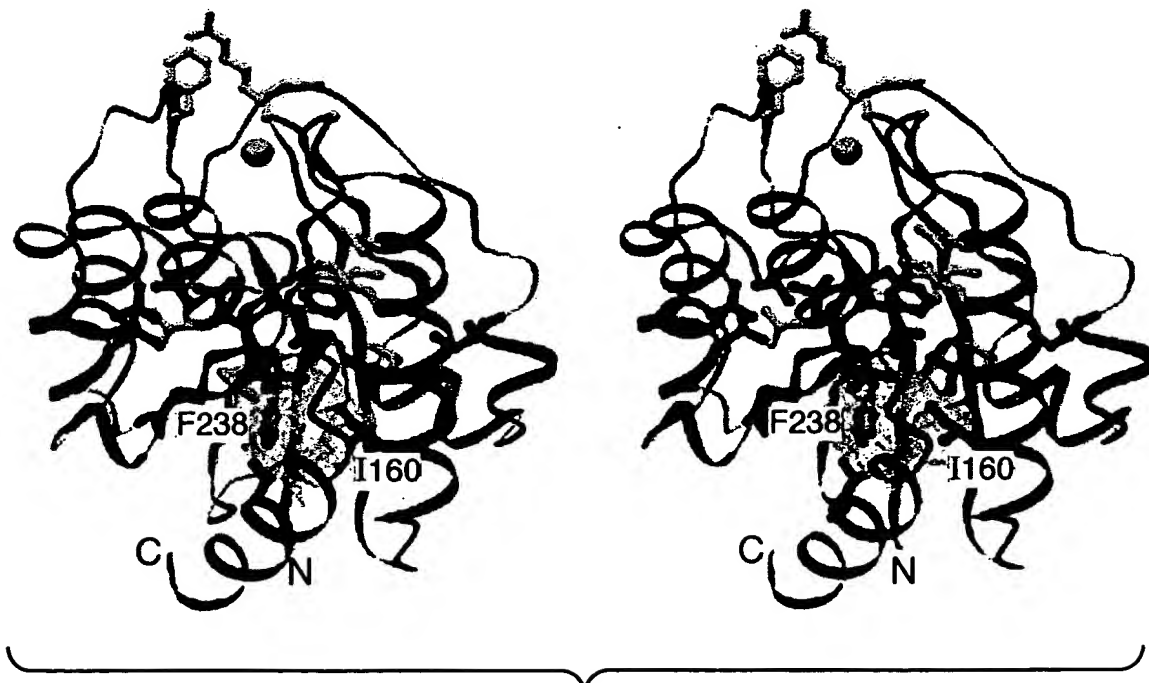
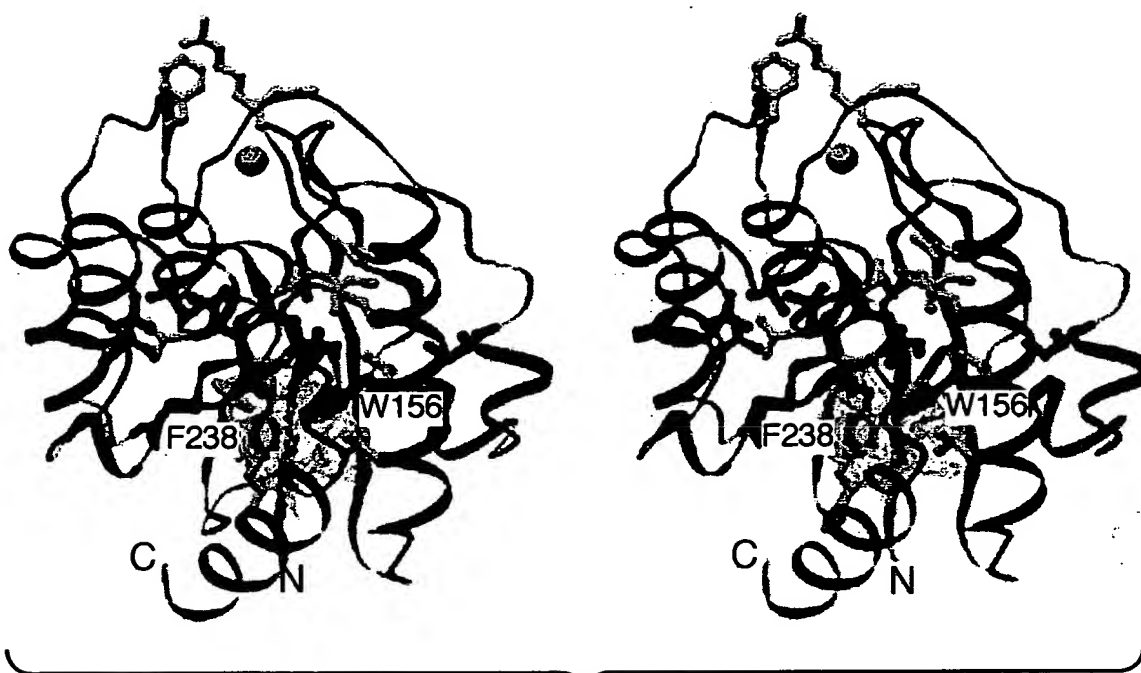
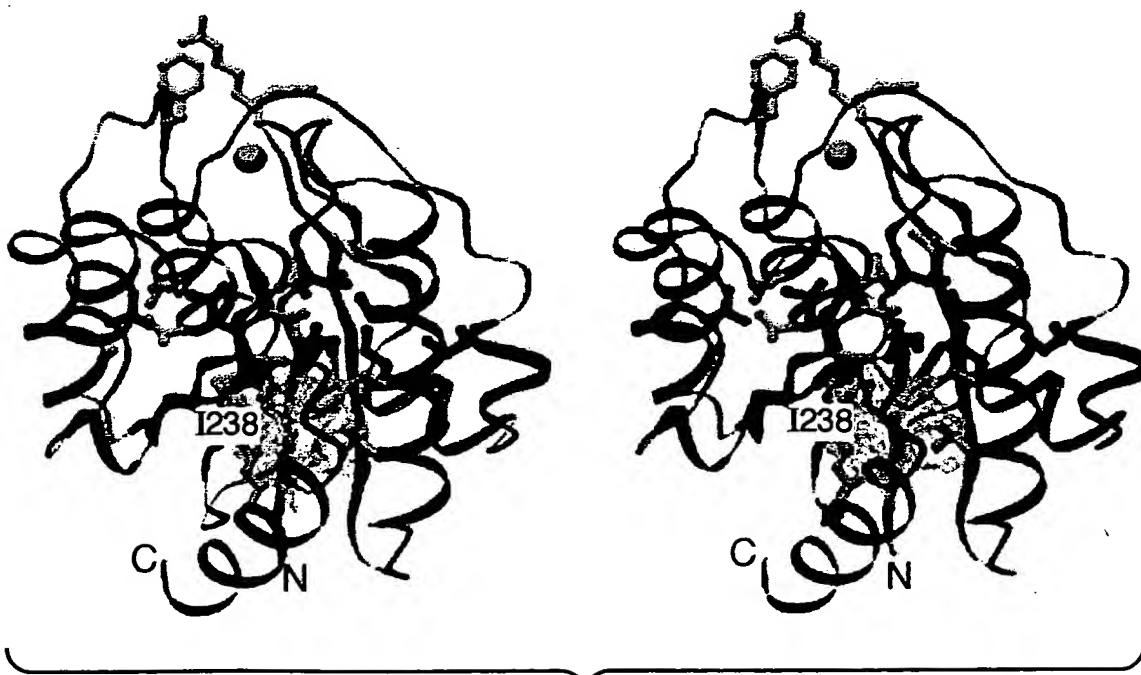


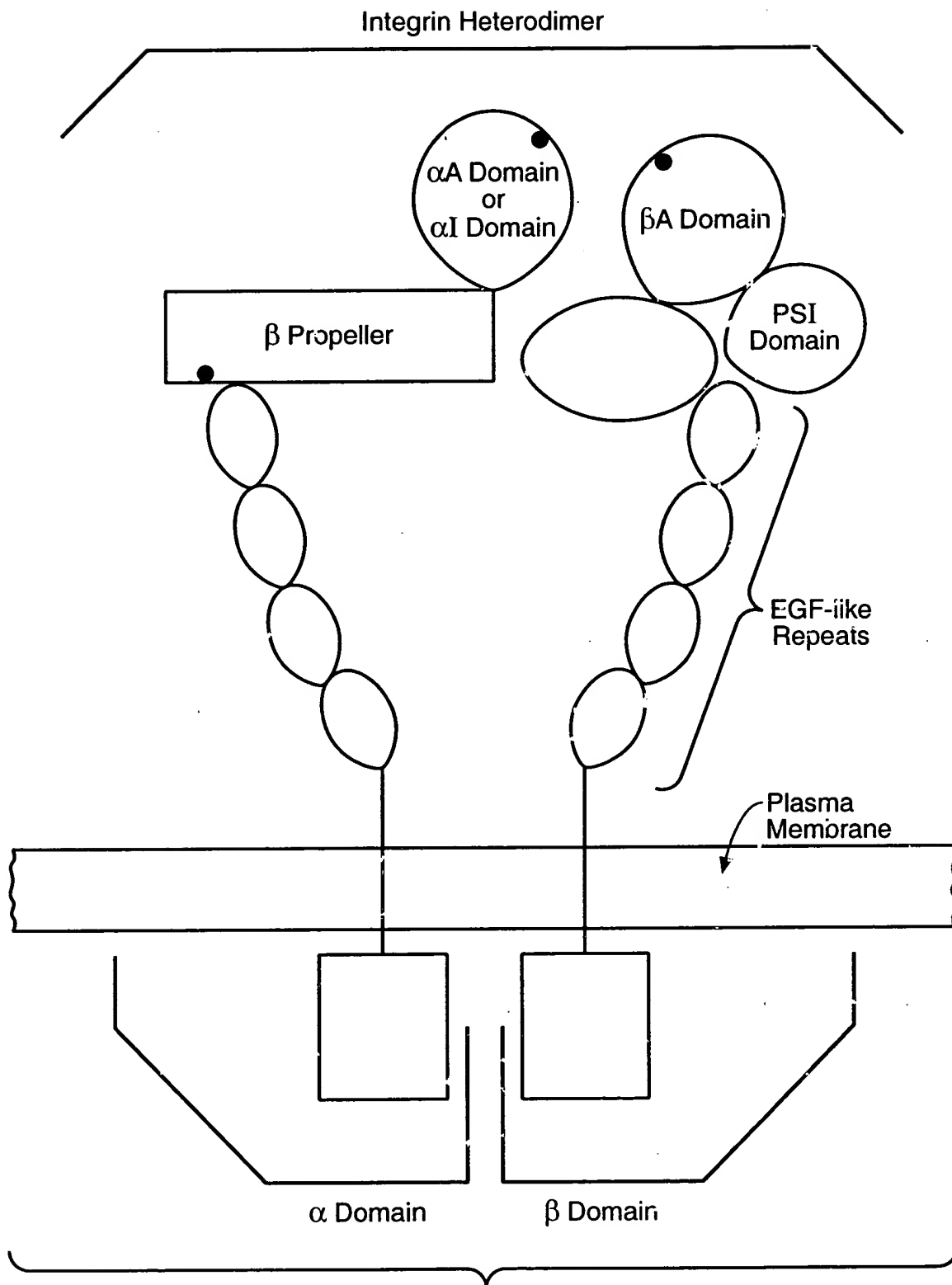
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**FIG. 1A****FIG. 1B**

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**FIG. 1C****FIG. 1D**

**FIG. 1E**

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MALRVLLLTALTLC HGFNLDTENAMTFQENARQFGQSVVQLQGSRVVVGAP
QEIVAANQRGSLYQCDYSTGSCEPIRLQVPVEAVNMSLGLSLAATTSP PQ L
LACGPTVHQTCSENTYVKGLCFLFGSNLRQQPQKFPEALRGCPQEDSDIAF
LIDGSGSII PHDFRRMKEFVSTVMEQLKKSKTLFSLMQYSEEFRIHFTFKE
FQNNPNPRSLVKPITQLLGRTH TATGIRKVVRELFNITNGARKNAFKILVV
ITDGEKFGDPLGYEDVIPEADREGVIRYVIGVGDAFRSEKSRQELNTIASK
PPRDHVFQVNNFEALKTIQNQLREKIFAIEGTQTGSSSSFEHEMSQEGFSA
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AIILNRNVQSLVLGAPRYQHIGLVAMFRQNTGMWESNANVKGTQIGAYFGA
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YGEQQQPWGRFGAALTVLGDVNGDKLTDVAIGAPGEEDNRGAVYLFHGTSG
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LVFLVPVRLNQTVIWDRPQVTFSENLSSTCHTKERLPSHSDFLAELRKAPV
VNCSI AVCQRIQCDIPFFGIQEEFNATLKGNLSFDWYIKTSHNHLLIVSTA
EILFNDSVFTLLPGQGAFVRSQTETKVEPFEPNPLPLIVGSSVGGLLLLLA
LITAALYKLGFFKRQYKDMMS EGGPPGAEPQ

FIG. 1F**BEST AVAILABLE COPY**

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FIG._1G-1

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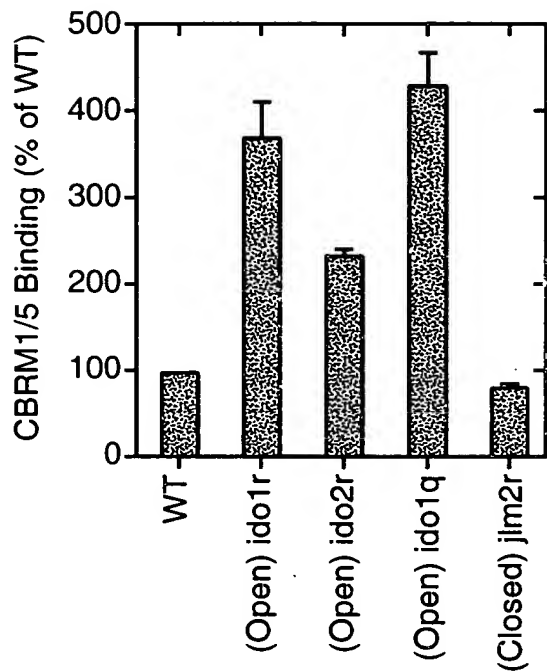
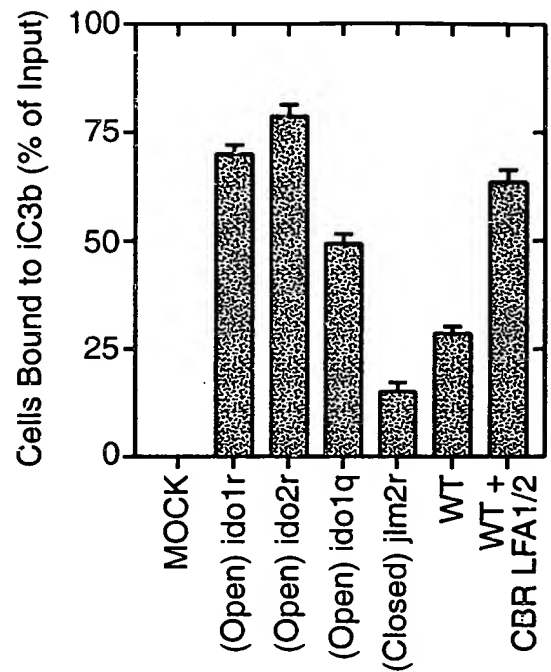
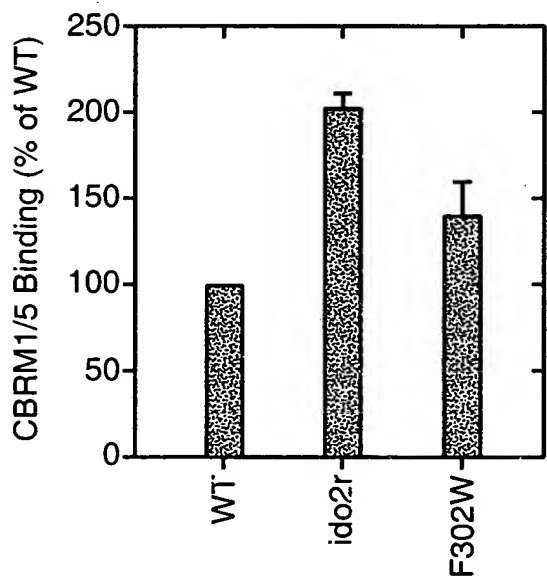
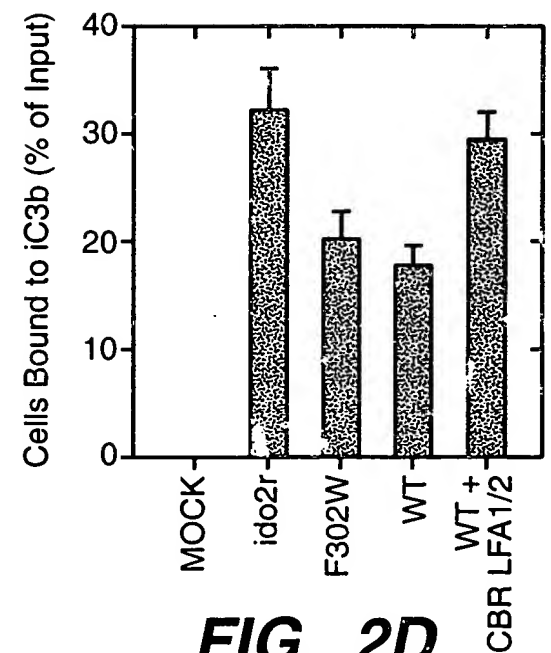
6 / 12

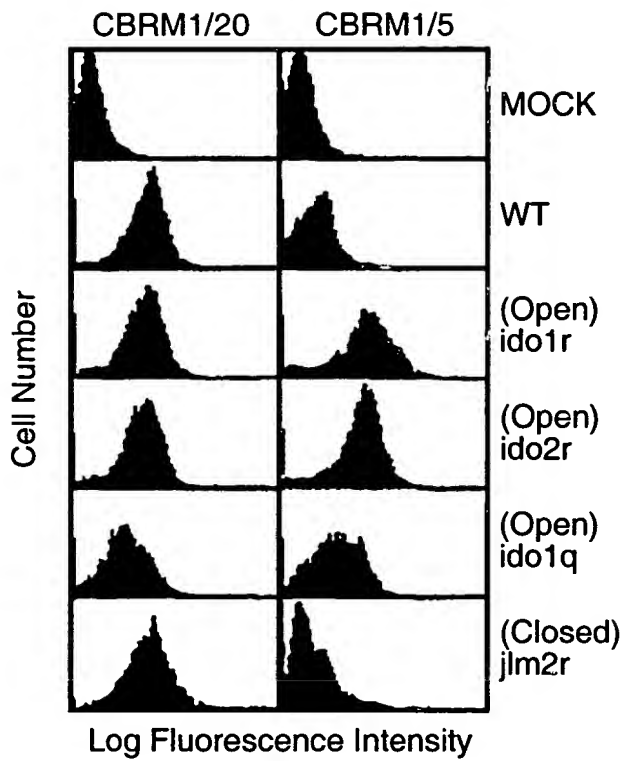
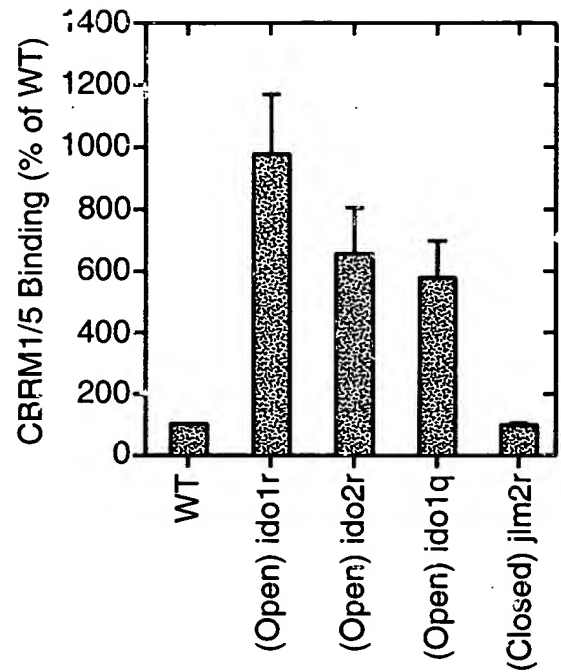
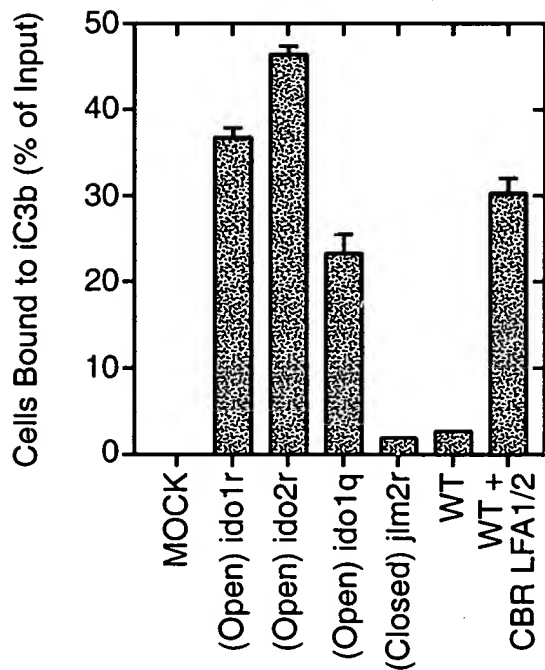
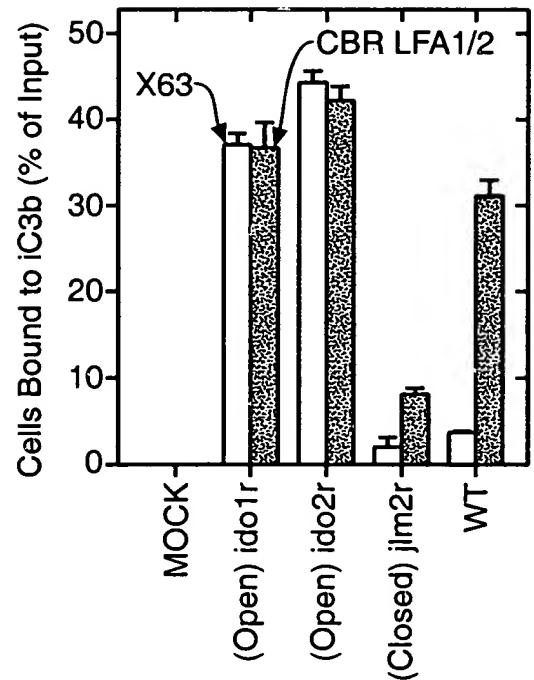
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FIG. 1G-2

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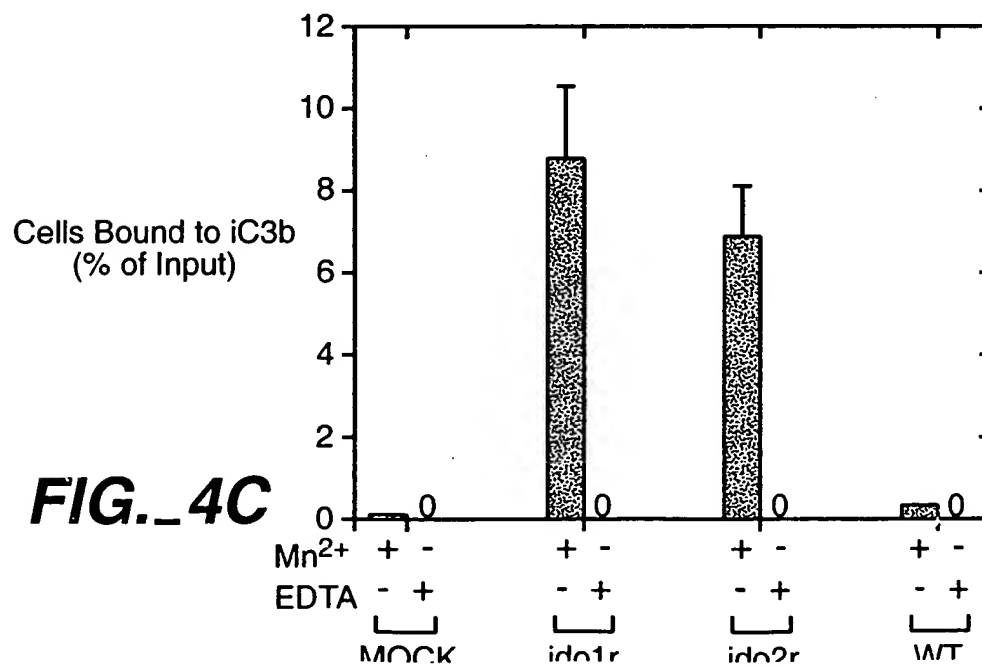
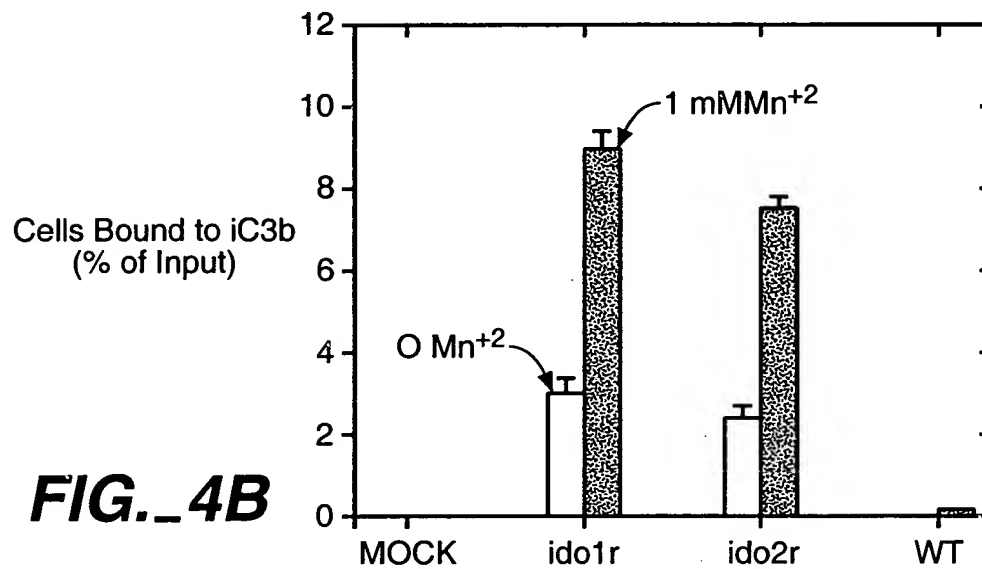
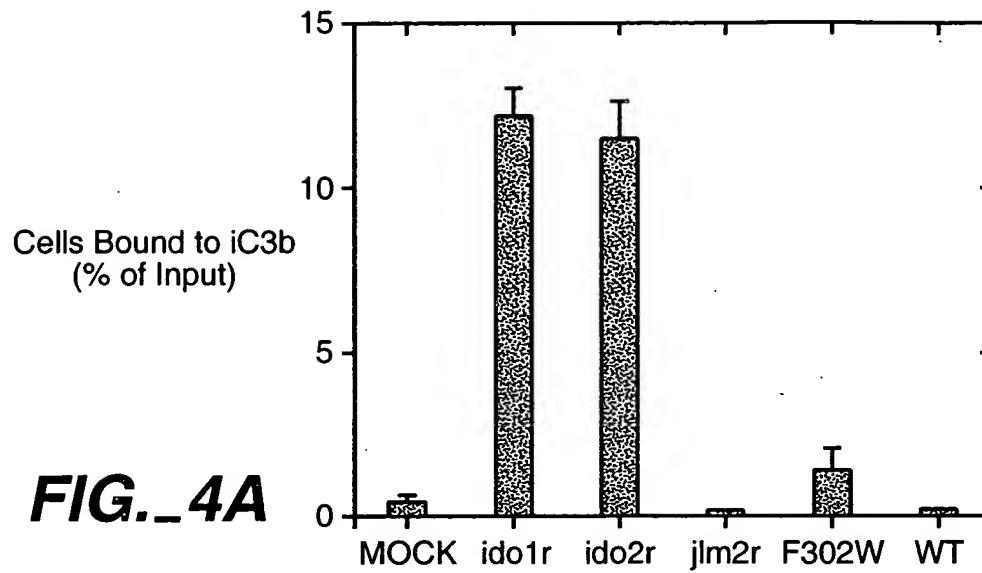
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**FIG. 2A****FIG. 2B****FIG. 2C****FIG. 2D**

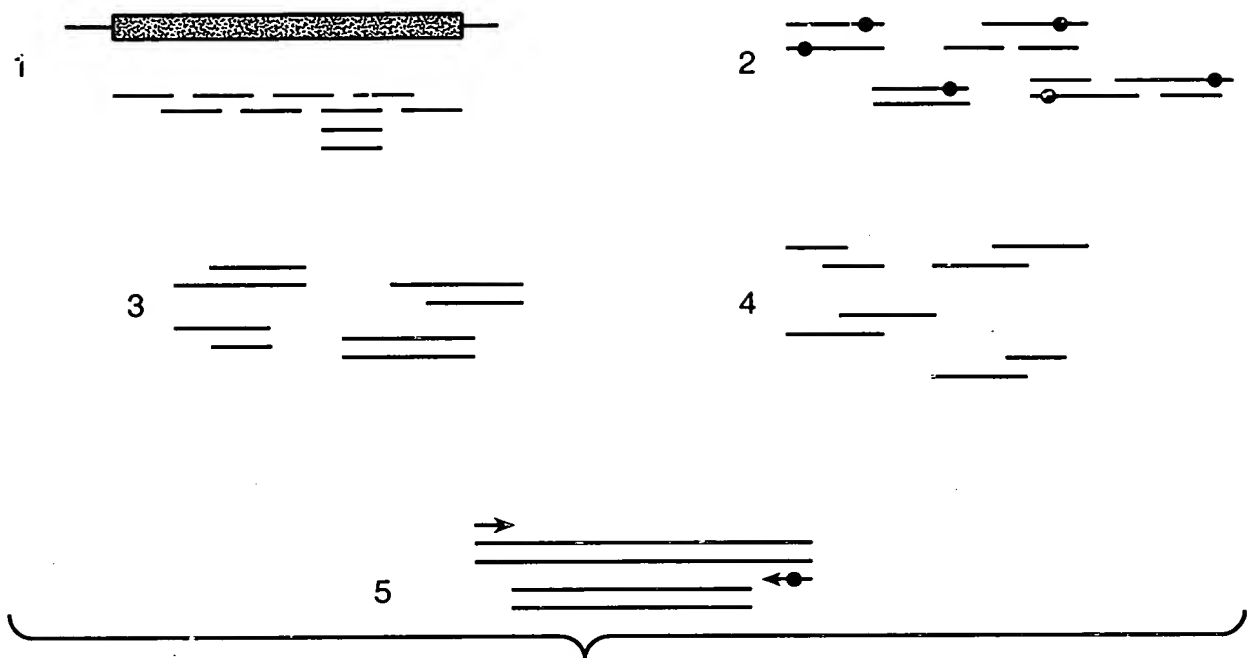
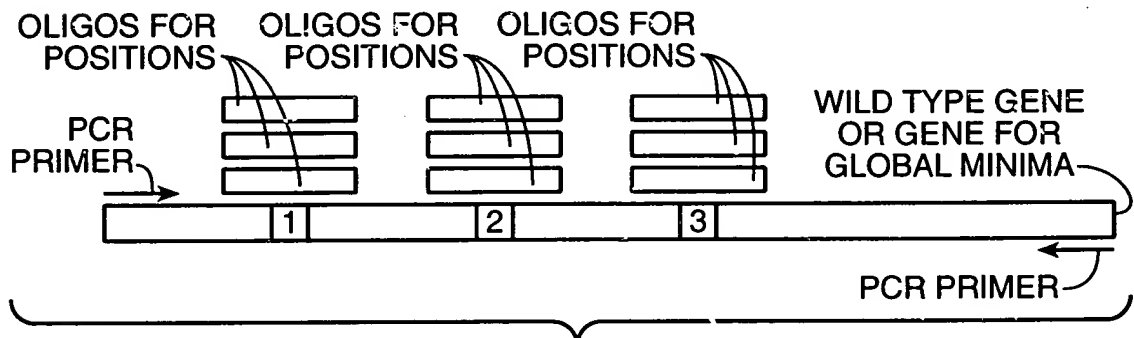
**FIG._3A****FIG._3B****FIG._3C****FIG._3D**

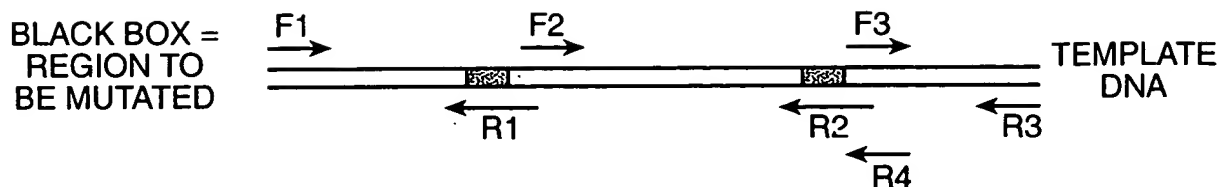
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**FIG. 5****FIG. 6**



STEP 1: SET UP 3 PCR REACTIONS:

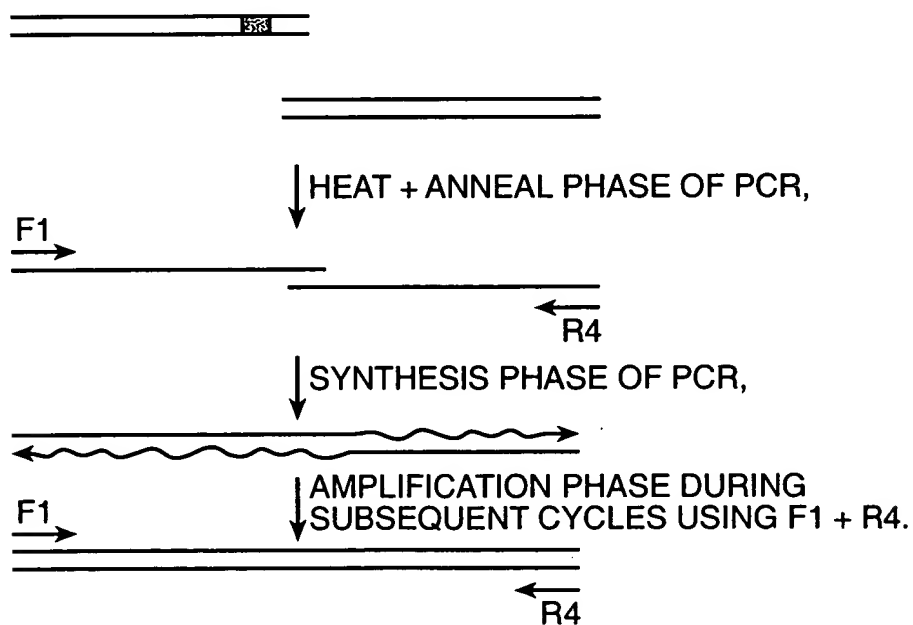
PRODUCTS:

TUBE 1:

TUBE 2:

TUBE 3:

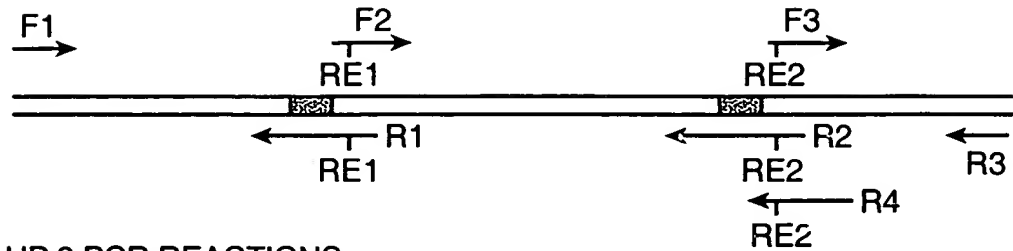
STEP 2: SET UP PCR REACTION WITH PRODUCTS OF TUBE 1 + PRODUCTS TUBE 2 + F1 + R4.



STEP 3: REPEAT STEP 2 USING PRODUCT FROM STEP 2 + PRODUCT FROM STEP 1, TUBE 3 + PRIMERS F1 + R3.

FIG. 7

TEST AVAILABLE COPY



STEP 1: SET UP 3 PCR REACTIONS:

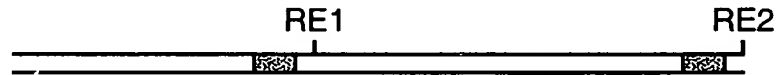
TUBE 1:

TUBE 2:

TUBE 3:

STEP 2: DIGEST PRODUCTS FROM STEP 1 WITH SUITABLE RESTRICTION ENDONUCLEASES.

STEP 3: LIGATE DIGESTED PRODUCT FROM STEP 2, TUBE 2 WITH DIGESTED PRODUCT FROM STEP 2, TUBE 1.



STEP 4: AMPLIFY VIA PCR LIGATED PRODUCTS OF STEP 3 WITH F1 + R4.



STEP 5: DIGEST AMPLIFIED PRODUCT OF STEP 4 WITH RESTRICTION ENDONUCLEASE #2.



STEP 6: LIGATE PRODUCT FROM STEP 5 WITH PRODUCT FROM STEP 2, TUBE 3.



STEP 7: AMPLIFY PRODUCT FROM STEP 6 WITH F1 + R3.

FIG._8

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DIAGRAM 3



FIG._9